

ABSTRACT OF THE DISCLOSURE

Provided is an electron-emitting device with high electron emission efficiency and with stable electron emission characteristics over a long period.

- 5 The electron-emitting device has a substrate, first and second carbon films laid with a first gap in between on the surface of the substrate, and first and second electrodes electrically connected to the first carbon film and to the second carbon film, respectively. In
- 10 the electron-emitting device, a narrowest gap portion between the first carbon film and the second carbon film in the first gap is located above a surface of the substrate and the substrate has a depressed portion, at least, in the first gap.

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